

(12) International Application Status Report

Received at International Bureau: 30 November 2007 (30.11.2007)

Information valid as of: (..)

Report generated on: 29 February 2020 (29.02.2020)

(10) Publication number:

WO2008/062979

(43) Publication date:

29 May 2008 (29.05.2008)

(26) Publication language:

English (EN)

(21) Application Number:

PCT/KR2007/005817

(22) Filing Date:

20 November 2007 (20.11.2007)

(25) Filing language:

English (EN)

(31) Priority number(s):

10-2006-0114828 (KR)

(31) Priority date(s):

20 November 2006 (20.11.2006)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

10-2007-0004176 (KR)

15 January 2007 (15.01.2007)

Priority document received (in compliance with PCT Rule 17.1)

10-2007-0093200 (KR)

13 September 2007 (13.09.2007)

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

H04N 7/173 (2006.01)

(71) Applicant(s):

SK TELECOM CO., LTD. [KR/KR]; 11, Euljiro 2-ga Jung-gu Seoul 100-999 (KR) *(for all designated states except US)*

LEE, Goon Seop [KR/KR]; 613-303 Jeongdeunmaeul Woosung 6-danji Apt. Jeongja-dong, Bundang-gu, Seongnam Gyeonggi-do 463-753 (KR) *(for US only)*

LEE, Dong Hahk [KR/KR]; 108-803 Gangchon Apt. Ichon 1-dong, Yongsan-gu Seoul 140-727 (KR) *(for US only)*

YU, Jae Hwang [KR/KR]; 105-101 Saemteo Maeul Apt. Irwonbon-dong, Gangnam-gu Seoul 135-990 (KR) *(for US only)*

IHM, Jong Tae [KR/KR]; 304-502 Imaechon Dongshin 3-danji Apt. Imae-dong, Bundang-gu, Seongnam Gyeonggi-do 463-797 (KR) *(for US only)*

OH, Se Hyun [KR/KR]; 103-402 Dongbu Centreville Apt. Daechi 1(il)-dong, Gangnam-gu Seoul 135-838 (KR) *(for US only)*

CHUNG, Ku Ik [KR/KR]; 203 A-dong Samhwan villa 244-182 Bulgwang-dong, Eunpyeong-gu Seoul 122-040 (KR) *(for US only)*

(72) Inventor(s):

LEE, Goon Seop; 613-303 Jeongdeunmaeul Woosung 6-danji Apt. Jeongja-dong, Bundang-gu, Seongnam Gyeonggi-do 463-753 (KR)

LEE, Dong Hahk; 108-803 Gangchon Apt. Ichon 1-dong, Yongsan-gu Seoul 140-727 (KR)

YU, Jae Hwang; 105-101 Saemteo Maeul Apt. Irwonbon-dong, Gangnam-gu Seoul 135-990 (KR)

IHM, Jong Tae; 304-502 Imaechon Dongshin 3-danji Apt. Imae-dong, Bundang-gu, Seongnam Gyeonggi-do 463-797 (KR)

OH, Se Hyun; 103-402 Dongbu Centreville Apt. Daechi 1(il)-dong, Gangnam-gu Seoul 135-838 (KR)

CHUNG, Ku Ik; 203 A-dong Samhwan villa 244-182 Bulgwang-dong, Eunpyeong-gu Seoul 122-040 (KR)

(74) Agent(s):

YOON YANG KIM SHIN & YU; 11th Floor, Namkang Bldg.1340-6 Seocho-dong, Seocho-gu Seoul 137-861 (KR)

(54) Title (EN): SYSTEM, SERVER AND METHOD FOR PROVIDING SUPPLEMENTARY INFORMATION SERVICE RELATED TO BROADCAST CONTENT

(54) Title (FR): SYSTÈME, SERVEUR ET MÉTHODE DE FOURNITURE D'UN SERVICE D'INFORMATIONS SUPPLÉMENTAIRES RELATIVES AU CONTENU D'UNE ÉMISSION

(57) Abstract:

(EN): The present invention relates to a system and method for providing a supplementary information service related to broadcast content. The system includes a Presentation Time Stamp (PTS) information creating server and a supplementary information service providing server. The PTS information creating server receives broadcast content and programming information from a broadcasting system, identifies information about a start time of specific broadcast content, extracts PTS information corresponding to the start time of the corresponding broadcast content, and transmits the extracted PTS information.

The supplementary information service providing server stores supplementary information corresponding to the broadcast content, receives the information about the start time of the broadcast content and the PTS information corresponding to the start time information from the PTS information creating server, associates a specific scene of the broadcast content with corresponding supplementary information, and provides the associated specific scene and corresponding supplementary information through a communication infrastructure at a request of a user terminal.

(FR): L'invention porte sur un système et une méthode fournissant un service d'informations supplémentaires relatives au contenu d'une émission. Le système comporte un serveur de création d'informations PTS (d'horodatage de présentation), et un serveur de fourniture de service d'informations supplémentaires. Le serveur de création d'informations PTS reçoit le contenu de l'émission et des informations de programmation via un système de diffusion, identifie les informations sur l'heure de début d'une émission spécifique, extrait les informations PTS correspondant au début de ladite émission, et transmet les informations PTS extraites. Le serveur de fourniture de service d'informations supplémentaires stocke des informations supplémentaires correspondant au contenu de l'émission, reçoit du serveur de création d'informations PTS les informations sur l'heure de début de l'émission et les informations PTS, associe une scène spécifique du contenu de l'émission aux informations supplémentaires et transmet ladite scène spécifique et les informations supplémentaires via une infrastructure de communication suite à une demande du terminal de l'utilisateur.

International search report:

Received at International Bureau: 03 March 2008 (03.03.2008) [KR]

International Report on Patentability (IPRP) Chapter II of the PCT:

Not available

(81) Designated States:

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

European Patent Office (EPO) : AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR

African Intellectual Property Organization (OAPI) : BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

African Regional Intellectual Property Organization (ARIPO) : BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

Eurasian Patent Organization (EAPO) : AM, AZ, BY, KG, KZ, MD, RU, TJ, TM